

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 5 25063 CENTER RIDGE ROAD WESTLAKE, OH 44145-4114

March 2, 2017

MEMORANDUM

SUBJECT: Clean Air Act Monitoring, American Electric Power, Cheshire, Ohio

FROM: Katharina Bellairs, Environmental Engineer (ME-W)

THRU: Mark Conti, Lead Environmental Engineer (ME-W)

TO: Air Enforcement and Compliance Assurance Branch, IL/IN Section (AE-18J)

Nathan Frank, Section Chief

On August 1, 2016, I performed off-site visible emission readings under the Clean Air Act at American Electric Power, Gavin Station, Cheshire, Ohio, at Ethan Chatfield's request. My findings are attached.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 5 25063 CENTER RIDGE ROAD

25063 CENTER RIDGE ROAD WESTLAKE, OHIO 44145

DATE:

March 2, 2017

SUBJECT:

CLEAN AIR ACT OFF-SITE MONITORING EVALUTION REPORT

American Electric Power – Gavin Generating Station

FROM:

Katharina Bellairs, Environmental Engineer

OECA - Cleveland Office

THRU:

Mark Conti, Lead Environmental Engineer

OECA - Cleveland Office

TO:

Nathan Frank, Section Chief

Air & Radiation Division, AECAB (IL/IN)

BASIC INFORMATION

Facility Name: American Electric Power – Gavin Generating Station

Facility Location: 7397 Ohio Seven, Cheshire, Ohio 45620

Date of Inspection: August 1, 2016

Lead Monitor: Katharina Bellairs, Environmental Engineer

Purpose of Monitoring Evaluation: Perform Method 9 and Alternative Method 082 Opacity

Readings

Facility Type: Electric Generating Station

Arrival Time: approximately 2:00 p.m. EST **Departure Time:** approximately 3:00 p.m. EST

MONITORING INFORMATION

Field Measurements: were taken during this inspection.

I arrived in Cheshire, Ohio, and stopped south of the intersection of Gravel Hill Rd and Turkey Hill Road. I performed Method 9 visible emissions readings from 2:18 to 2:38 p.m. EST and Method 082 alternative visible emission readings with Virtual Technology's opacity camera from 2:04 p.m. EST to 2:39 p.m. EST. My reading location was at 38.938451, -82.131927.

SIGNATURES

Lead Monitor: ________ Date: 3/2/17

Lead Environmental Engineer: Mouh Couté Date: 3-2-2017

APPENDICES AND ATTACHMENTS

Method 9 Visible Opacity Reading Report

VISIBLE EMISSION	V OBSERV	ATION FORM	Form Nun				age Of		general annual ground	
Method Used Method 9			Continued on VEO Form Number							
N/A			Observation Date Time 8/1/2016 ES			one	Start Time 14:18:46		Time 1:38:34	1
_{Facility Name} AEP Gavin Power Plant				Opacity	<u> </u>	Comment				
EO Street Address 7397 OH-7			1	25		· ·				
EO City	EO State	EO Zip	2	25				7	5	
Cheshire	OH	45620	3	25	P	Avg. Opac	ity = 31			
Process	Unit	Operating Mode	4	30					parameter services.	
V/A Control Equipment	N/A	. N/A Operating Mode	- 5	35	-	,				
V/A	4.5/	N/A	6	30						Ministration
Describe Emission Point	1925		7	40	19 ×				7 4 7	
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escribe Emissions			14	15					No. of the Control of	
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	Opacity		Opacity		Opacity		Opacity		Opacity
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Source

Name: AEP Gavin Power Plant

Address: 7397 OH-7 City: Cheshire State: OH Zip: 45620

Phone: Local ID:

Regulatory

Permit ID: Condition:

Regulatory Reference:

Process

Process: N/A Unit: N/A Operating Mode: N/A

Complaint

Name: Address: City: State: NA Zip:

Equipment

Name: N/A

Type of Inspection

Type of Inspection: Surveillance

Sun

Altitude: 63.2 Azimuth: 241.4 Data Source: Manual

Map Information

Map Type: USGSDRG Map Width: 5000

Analysis

Averaging Type: Manual

Method: Method 9

Number of Images: 24 Rolling High Count: 24

Seconds Between Images: 15

Who Created: DOCS II

Creation Date: 9/22/2011

Analyst Name: Katharina Bellairs Affiliation: USEPA Region 5

Comments: